

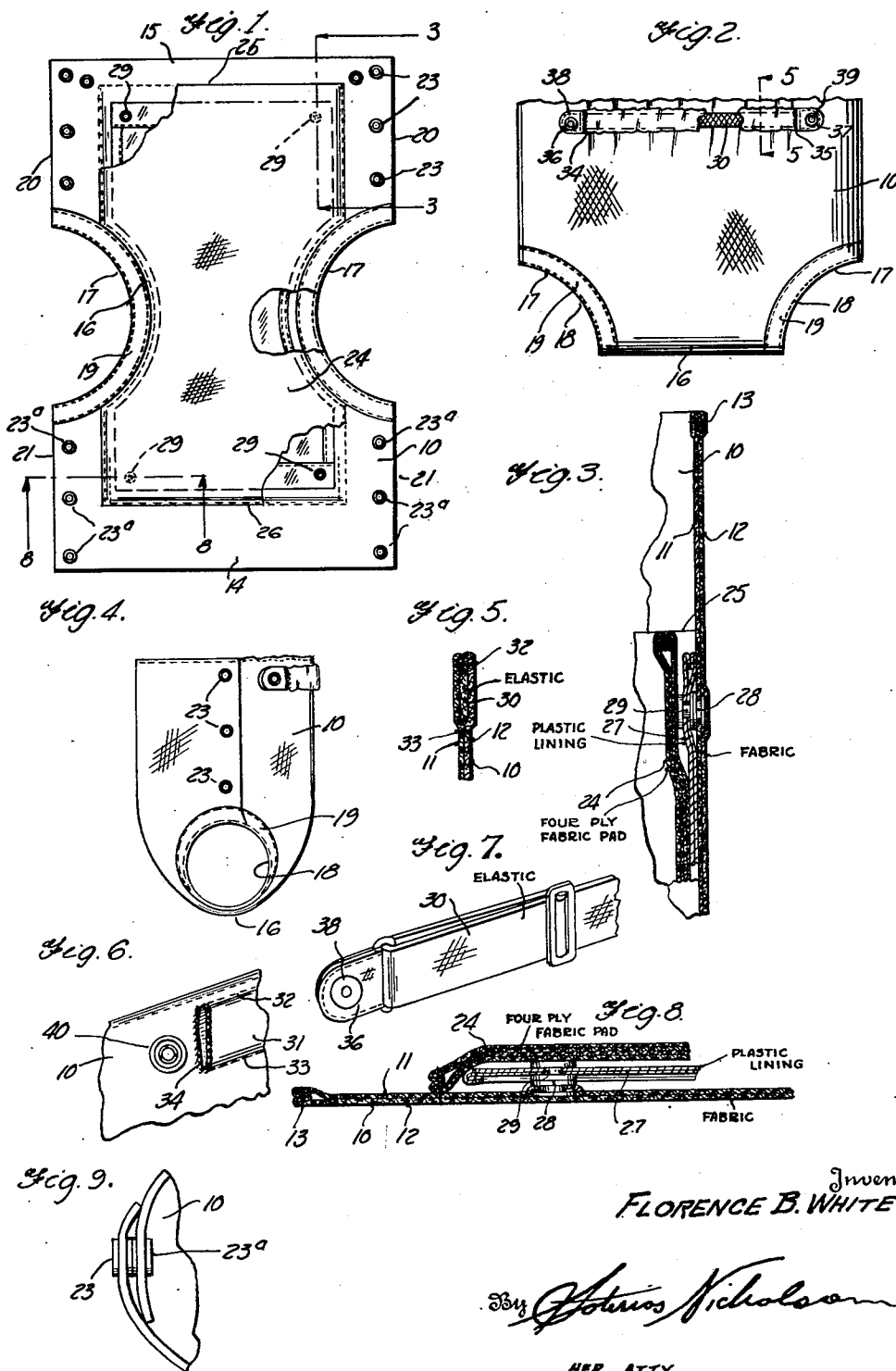
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CHILD'S TRAINING PANTY

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CHILD'S TRAINING PANTY

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This invention relates to child's training panty, and has for one of its objects the production of a simple and efficient means for providing the greatest possible protection for the panty so as to prevent soil of the mother's clothing while the child is being carried.

A further object of this invention is the production of a garment in the nature of a child's training panty having a removable waterproof plastic insert, which is secured to the panty in such a manner as to prevent the securing elements from touching or irritating the tender skin of the child.

Other objects and advantages of the present invention will appear throughout the following specification and claims.

In the drawing:

Figure 1 is a plan view of the inner face of the panty in an open position;

Figure 2 is a rear elevational view of the panty in a closed position;

Figure 3 is an enlarged vertical sectional view taken on line 3—3 of Figure 1;

Figure 4 is a side elevational view of the panty or pants in a closed or wearing position;

Figure 5 is an enlarged fragmentary sectional view taken on line 5—5 of Figure 2 through the elastic band and casing therefor;

Figure 6 is a fragmentary perspective view of a portion of the garment illustrating the encasing portion in which the adjustable band is fitted;

Figure 7 is a perspective view of one end of the adjustable elastic band;

Figure 8 is an enlarged transverse sectional view taken on line 8—8 of Figure 1; and

Figure 9 is an enlarged fragmentary top edge view of the panty or pants showing the manner in which the side edges overlap when in a closed position.

By referring to the drawing, it will be seen that 10 designates the body portion of the training pants or panty, which preferably consists of an inner layer 11 and an outer layer 12 stitched together at the edges thereof, as at 13. The body portion 10 comprises similarly shaped end portions 14 and 15 connected together by a crotch portion 16, as shown in Figure 1. The crotch portion 16 is curved inwardly upon each side thereof as at 17, to provide leg openings 18 as shown in Figures 2 and 4, when the panty is closed or in a wearing position. The edge of each leg opening is preferably reinforced by a suitable binding strip 19.

The end portions 14 and 15 preferably are provided with parallel side edges 20 and 21 respectively. A plurality of snap fasteners 22 and 23 are inset relative to the edges 20 and 21, and are arranged in parallel relation upon either side of the body 10, as shown in Figure 1. The snap fasteners which are carried by the respective end portions 14 and 15 are adapted to interfit to hold the panty in a closed position as is shown in Figures 2 and 4.

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A protector pad 24 having maximum absorbent qualities, is stitched along its side edges to the body 10 and preferably conforms to the contour of the body 10 so as to effectively line the crotch portion 16. This pad 24 is preferably four-ply or is formed of four thicknesses of fine quality diaper material. The ends 25 and 26 are left open to permit plastic lining 27 to be easily placed in position, or to be removed while the panty is being washed. The plastic lining 27 is formed of any suitable soft waterproof plastic material, preferably flexible, to provide a shield between the protector pad 24 and the outer fabric body 10. The lining 27 conforms to the contour of the pad 24, as shown in Figure 1.

One snap fastener element 28 is secured to the inner ply or layer 11 of the body 10 under one corner of the pad 24 and a similar snap fastener element is secured to the inner layer 11 of the body 10 under the remaining three corners of the pad 24, as shown in Figure 1. Also see Figure 8 for an enlarged view of the structure mentioned. The plastic lining 27 also carries at each corner a snap fastener element 29 which elements 29 are adapted to engage the snap fastener elements carried by the body 10, such as the element 28. It should be noted that the snap fastener elements 29 fit under the protector pad 24 and are shielded thereby, so that none of these fasteners 29 may come in contact with the tender skin of the child. However, since the pad 24 is open at both ends, the fasteners at the corners of the lining 27 may be easily fastened or released when securing the lining 27 in position or removing said lining. The fasteners should always be inset relative to the open ends of the pad 24 so that the fasteners will at all times be covered by the pad 24.

The present invention eliminates entirely the commonly accepted and ordinary diaper for all children, from the earliest age and through the so-called training period. A very simplified single unit having all practical features also has been provided, which will furnish maximum protection for the mother's clothing while holding or carrying the child. Changes may be made quickly and easily at any time anywhere, without difficulty. The plastic waterproof lining may be easily inserted or removed for further use if only one is available while in transit. The structure described and shown provides for the safe use of the waterproof lining or insert, covering a maximum area, and assures proper circulation of air through the panty. By shielding the snap fasteners from the tender skin of the child as set forth above, these fasteners will not touch or irritate the skin. The present invention therefore eliminates the necessity of constant changes caused by frequent wettings without running the danger of irritating the tender skin of the child.

As shown in Figures 2, and 4 to 7 inclusive, I provide a removable adjustable elastic band 30 adjacent the waist-line of the panty, and at

the rear thereof. This band 30 extends longitudinally of the encasing portion 31 which is defined by the spaced parallel rows of stitching 32 and 33. Eyelets 34 and 35 are formed at opposite ends of the encasing portion 31. The band 30 extends longitudinally of the encasing portion 30 between the plies or layers of material forming the body 10 of the garment. The band 30 is provided with end portions 36 and 37 which carry snap fasteners 38 and 39 for engaging suitable snap fastener elements such as the element 40 carried by the rear face of the panty body 10. The elastic band 30 is adjustable and is adapted to hold the garment tightly about the waist of the child to hold the garment in place. The band may be easily removed when the garment is washed or for the purpose of adjusting the band to provide for a snug fit of the garment.

Having described the invention what is claimed as new is:

1. A child's training panty outer garment comprising an inner pervious cloth fabric body portion of a substantially rectangular shape and having arcuate cut-out portions on the opposed longer sides thereof positioned approximately midway between front and back ends of said body portion for accommodating the legs of the wearer, the portions of said longer sides extending from said cut-out portions to said back end being substantially straight and the portions of said longer sides extending from said arcuate cut-out portions to said front end being substantially straight, a protective multiple-layer, cloth fabric absorbent pad having the same general shape as said body portion but of substantially less maximum width at the ends, substantially less overall length between the ends and substantially the same minimum width between opposed arcuate cut-out side portions, said pad being secured throughout its side edges to said body portion by stitching and being unsecured to said body portion along its front and back ends thereby to form a pocket between said pad and body portion open at two ends, a removable flexible impervious lining member having the shape of said pocket and positioned therein to shield at least substantially completely said pad from said body portion, said body portion having four snap members positioned within said pocket respectively at the four corners thereof and four respectively engaging snap members carried at the respective four corners of said lining member detachably to hold said lining member against curling and sliding in said pocket, each of said snap members being shielded by said pad from contact with the wearer, an outer pervious cloth fabric body portion of substantially the shape of said inner portion and peripherally affixed thereto across the outer face to hide from view, while said garment is being worn, the whole of said inner portion including the areas of said inner portion carrying said snap members, each said substantially straight backwardly extending side portion of at least the outer one of said body portions having secured therealong at least three aligned male snap fastener elements protruding outwardly, and each said substantially straight frontwardly extending side portion of at least the inner one of said body portions having secured therealong at least three aligned female snap fastener elements opening inwardly detachably to engage respective ones of said male members along the sides of the hips of the wearer with said frontwardly extending straight side portions of said body portions overlapping said

backwardly extending straight side portions, and an elastic member attached across said back end of at least one of said body portions to contract said end and cause said panty garment to conform to the waist of the wearer, thereby to provide an attractive external garment ventilated about the hips and adapted to prevent seepage to the outside of moisture absorbed by said pad.

2. A panty garment of the class described comprising a body portion of generally rectangular shape and having arcuate cut-out portions on each side thereof and positioned substantially midway between the ends thereof for accommodating the legs of the wearer, a protective, multiple layer, cloth fabric, absorbent pad having the same general shape as and of smaller dimensions than said body portion, said pad being attached to said body portion at the sides of said pad to form a pocket between said pad and body portion, said pocket having open ends, a removable flexible non-absorbent waterproof lining having the same general shape as and of smaller dimensions than said pad positioned in said pocket and completely covered thereby, and separable fastener means detachably to secure said lining in said pocket, said means comprising a fastener element at each corner of said lining and a corresponding cooperating fastener element within said pocket at each corner of said pocket, whereby said fastener elements are shielded by said pad from contact with the skin of the wearer.

3. A panty garment of the class described comprising a body portion of a substantially rectangular shape and having arcuate cut-out portions on each side thereof and positioned substantially midway between the top and bottom for accommodating the legs of the wearer, a protective, multiple-layer, cloth fabric, absorbent pad having the same general shape as and of smaller dimensions than said body portion, said pad being secured to said body portion throughout its side edges by stitching and being unsecured to said body portion along its top and bottom edges, thereby forming a pocket between said pad and body portion open at two ends, a removable flexible waterproof non-absorbent lining having the same general shape as and of smaller dimensions than said pad positioned in said pocket and completely covered thereby, and a plurality of snap fastener elements for detachably securing said lining in said pocket, said plurality comprising elements carried by said body portion within and at the corners of said pocket and cooperating elements carried by the corners of said lining, whereby said pad shields the skin of the wearer from contact with said elements.

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